Y9

# BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Detailed Estimate for:-Annual Maintenance and repairs of street lights in ward no 09 Package Y -09 of Yelahanka Zone.

Budget Head .....

Division No..... Estimate No. ..... For Rs.= **5278000.00**

| Sl No | SR Page No | Description of Work | Unit | Qty | Rate Per Year Rs. Ps. | Amount |
|---|---|---|---|---|---|---|
| 1 | AR Vide No SE (Ele) PR/676/2021-22, Dated: 7/12/2021 1 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems. | Each | 154 | 685.45 | 105559.30 |
| 2 | AR Vide No SE (Ele) PR/676/2021-22, Dated: 7/12/2021 2 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems. | Each | 320 | 756.29 | 242012.80 |
| 3 | AR Vide No SE (Ele) PR/676/2021-22, Dated: 7/12/2021 8 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems. | Each | 3754 | 1019.41 | 3826865.14 |
| 4 | AR Vide No SE (Ele) PR/676/2021-22, Dated: 7/12/2021 9 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems. | Each | 50 | 1118.08 | 55904.00 |
| 5 | AR Vide No SE (Ele) PR/676/2021-22, Dated: 7/12/2021 10 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems. | Each | 20 | 880.01 | 17600.20 |
| 6 | AR Vide No SE (Ele) PR/676/2021-22, Dated: 7/12/2021 11 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems. | Each | 229 | 1147.43 | 262761.47 |

Executive Engineer
Electrical Division
Bruhath Bengaluru Mahanagara Palike

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| 7 | AR Vide No SE (Ele) PR/676/2021-22, Dated: 7/12/2021 12 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems. | Each | 131 | 1377.66 | 180473.46 |
| 8 | AR Vide No SE (Ele) PR/676/2021-22, Dated: 7/12/2021 13 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system | Each | 1 | 1575.5 | 1575.50 |
| 9 | AR Vide No SE (Ele) PR/676/2021-22, Dated 7/12/2021 14 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system | Each | 1 | 1871.51 | 1871.51 |
| 10 | 72/ 13.17.1 | Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the polec) Up to 5 Mtrs Street light pole | Nos | 320 | 550.00 | 176000.00 |
| 11 | 72/ 13.17.3 | Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the polec) 8 Mtr and above Street light pole | Nos | 56 | 770.00 | 43120.00 |
| 12 | 26/ 5.14.1 | Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. ( Icu = Ics) 100Amps 25kA. | Each | 25 | 4530.00 | 113250.00 |
| 13 | 31/ 5.43.2 | Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic polyamide glands and/or grommets.260mmx210mmx116mm | Each | 25 | 2054.00 | 51350.00 |
| 14 | 40/ 6.4.4 | Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm | Mtr | 250 | 150.00 | 37500.00 |

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| | 41/ 6.5.6 | Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 6 sqmm to 16 sqmm | Mtr | 250 | 30.00 | 7500.00 |
| 16 | 26/ 5.13.4 | Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps | Each | 7 | 7200 | 50400.00 |
| 17 | 32/5.48 | Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers. | Each | 8 | 4030.00 | 32240.00 |
| 18 | 27/ 5.17.3 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP | Each | 13 | 723.00 | 9399.00 |
| | | **Total** | | | | **5215382.38** |
| | | GST 12% ITEM 10 to 18 | | | | 62491.08 |
| | | Misleniuos | | | | 126.54 |
| | | **Grand Total Rs** | | | | **5278000.00** |

Technically Sanctioned for Rs. 52,78,000/-
Rs. in Words Fifty two lakh Seventy Eight Thousand only
Under P-230 MA 13 & 7
Job Code No: Awaited as per Comm. Order Vide no. ಮುಂ.ಆ/ಪ.ಆ.ಯೋ/93/2021-22, Dt. 06-07-2021
Registered as EIC No. 53 21-22 Subject to conditions contained in enclosed Memo No. -53- 21-22 Dt. 17/1/22

AE/JE. JC/TA 17/1/22 EIC.

CERTIFICATE

1. The Place was inspected and work is essential
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on KPWD Electrical SR 2019-20,BESCOM SR 2018-19 and approved rates
5. The Above work is not taken up in any previous Grants.
6. The Ame Proposed for the Street Lights in the estimate are not under DLP

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 52,78,000/-
Rupees Fifty one lakh Seventy Eight Thousand only
according to P.O 300. M. and K to Streetlights - Replacements & Burnt Bulbs etc. (package)
Registered as EIC No. 30/21-22 Subject to conditions contained in enclosed memo No. BBMP/Eelec/427/AS/30/21-22 Dt 09.12.2021

Executive Engineer